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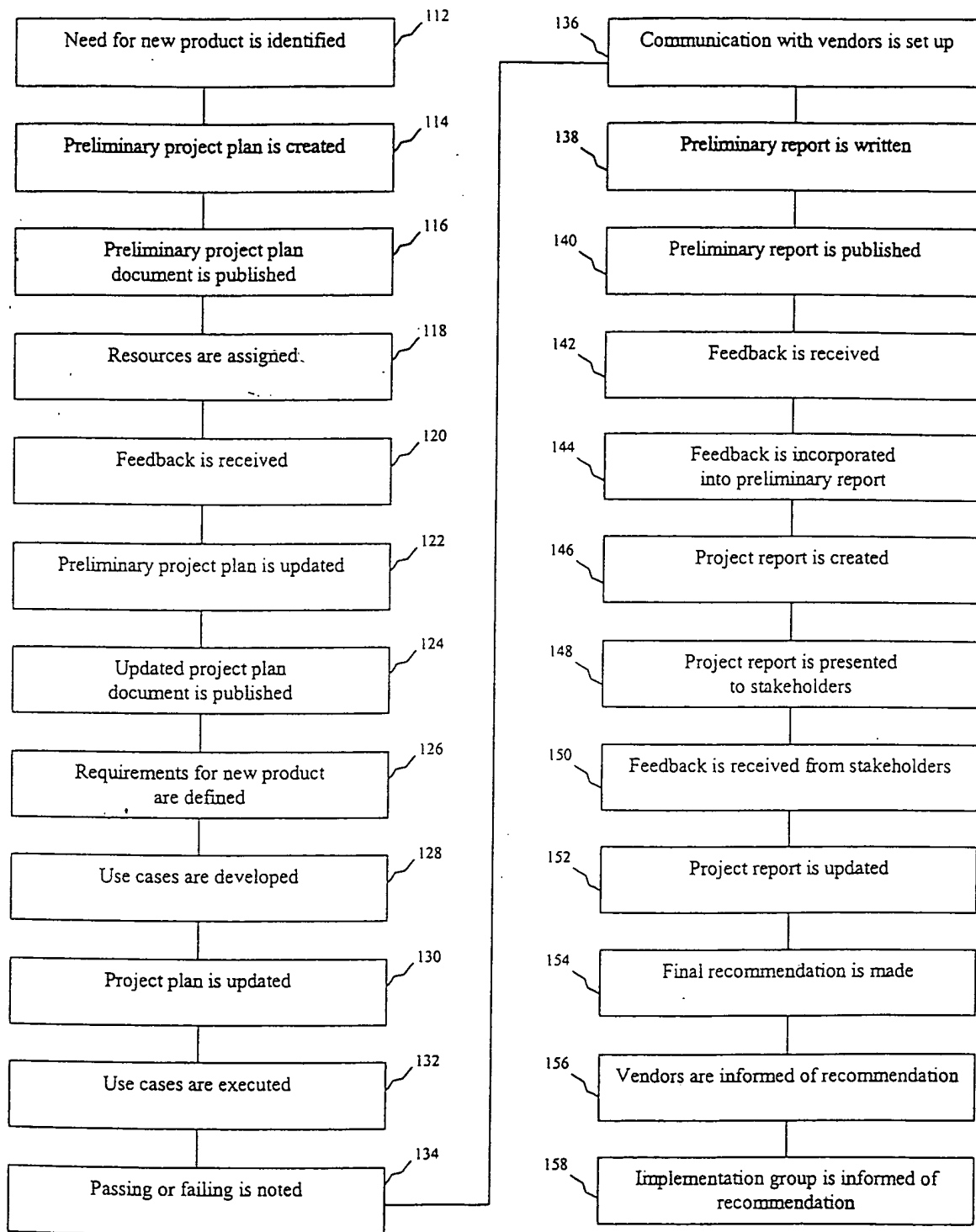


Figure 1

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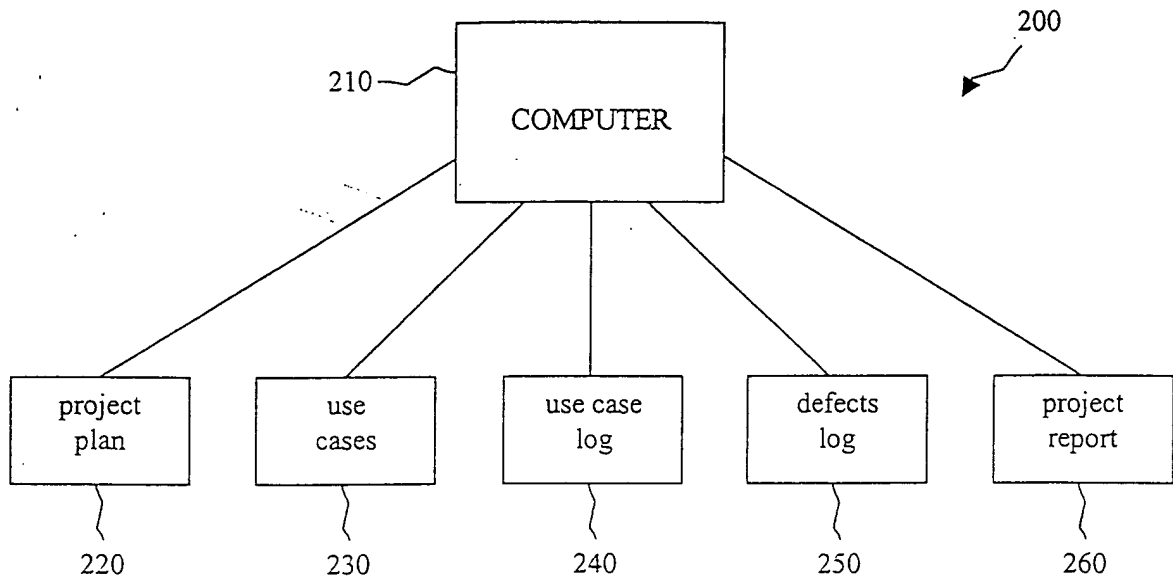


Figure 2

Common Integration Infrastructure Services POC Requirements

				Common Integration	
Unique Requirement Identifier	PCS	GMG	LTD	RFI Reference	Use Case
				316 System Interface Adapter	
				322 Protocol Connectivity	
C17	H	H		330 RDBMS	340 SB-9
C1	H	H		332 CORBA	342 SB-8
C2	H	H		334 J2EE/EJB	344 SB-1
C3	H	H		336 JMS	346 SB-7
C4	H	H		338 MCSeries	348 SB-6
				324 Core Capability	
C5	H	H		Transaction Support	SB-11
C6	H	H		Ability to integrate with MB	SB-14
C7	H	H		Ability to integrate with SB	SB-16
				326 Custom Development	
C8	H	H		Toolkit Provided	SB-19
				328 Development	
C9	H			Ease of Development	SB-19
				318 Data Transformation	
				Support of standard data formats	
C10	H	H		XML	SB-5
C11	H	H		IDL	SB-5
C12	H	H		Java Object	SB-5
				Ease of Data Transformation Logic Specification	
C13	M		H	Supports call-out to external logic	SB-5
				Protocol Connectivity	
C14	H	H	H	Java	SB-5
				320 Transaction Fallout Management	
				Graphical Fallout Logic Specification	
C15	H	H		Graphical specification of process	SB-12
				Security	
C16	H	H		Security - User and ACL based	SB-13
				310	

Figure 3

410 6	System Interface Adapter (SIA)	412 System Interface Adapter with MQ interface	414 Interface definition Synchronous invocation interface Java/RMI interface Can invoke external System Interface Adapter Data Transformation MQ Series interface with System Interface Adapter Support for flow specification	416 SB1 SB8 SB11 SB6 SB5 C4 SB7
7	System Interface Adapter (SIA)	System Interface Adapter with JMS	Interface definition Synchronous invocation interface Java/RMI interface Can invoke external System Interface Adapter Data Transformation JMS interface with the System Interface Adapter Support for flow specification	SB1 SB8 SB11 SB6 SB5 C3 SB7
420 8	SIA	418 System Interface Adapter with Corba and Complex Flow	Interface definition ~ 422 Synchronous invocation interface ~ 424 Java/RMI interface ~ 426 Can invoke external System Interface Adapter ~ 428 Data Transformation ~ 430 Corba interface with the System Interface Adapter ~ 432 Support for flow specification ~ 434	SB1 SB8 SB11 SB6 SB5 C1 SB7
9	SIA	System Interface Adapter with RDBMS	Interface definition Synchronous invocation interface Java/RMI interface Can invoke external System Interface Adapter Data Transformation DBMS interface with the System Interface Adapter Support for flow specification	SB1 SB8 SB11 SB6 SB5 SB7
10	SIA	System Interface Adapter with J2EE/EJB	Interface definition Synchronous invocation interface Java/RMI interface Can invoke external System Interface Adapter Data Transformation System Interface Adapter interface (J2EE/EJB) Support for flow specification	SB1 SB8 SB11 SB6 SB5 C2 SB7

Figure 4

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The following chart shows in detail the status of each use case.

S10

S12

S14

S16

500

UC#	Use Case Abstract	Use Case Status (P/F)	Defect Large/Total => Sev 1 of 2
SB 1	SB - RMI Interface	Pass	
SB 2	SB - Web Services interface	Pass	24, 33
SB 3	SB - HTTP Interface	Fail	3, 17
SB 4	SB - Corba Interface	Fail	5, 12, 14, 19, 20
SB 5	SB - Data Transformation	Pass	16
SB 6	SIA - MQ SIA	Pass	34
SB 7	SIA - JMS SIA	Pass	7, 32
SB 8	SIA - Corba SIA	Fail	5, 12, 14, 19, 20
SB 9	SIA - RDBMS SIA	Pass	11, 25
SB 10	SIA - EJB SIA	Fail	20, 21
SB 11	SB - Trans Mgmt	Pass	
SB 12	SB - Trans Fallout	Pass	
SB 13	SB - Security Intg	Pass	
SB 14	SB - MB integration	Fail	6
SB 15	SB - Aggregate	Pass	
SB 16	SB - Performance	Fail	43, 45, 46, 47, 48, 49, 51, 52, 54
SB 17	SB - Availability	Incomplete	9, 28
SB 18	SB - Naming Svc intg	Pass	
SB 19	SIA - Ease of Development	Pass	
SB 20	Data Transformation Ease of Develop.	Pass	
SB 21	SB - Ease of Development	Pass	29, 31, 36, 37, 41
SB 22	SB - Ease of Deployment	Pass	8, 30, 40

Figure 5

## Use Case #8: System Interface Adapter with CORBA Interface

### 612 Brief Description ~ 614

This functionality allows a client application to use a service provided by a back-office application that exposes a CORBA interface.

### Requirement Cross Reference ~ 616

Interface Definition	SB1
Synchronous Invocation Interface	SB8
Java/RMI Interface	SB11
Can invoke external System Interface Adapter	SB6
System Interface Adapter Corba Interface	C1
Support for flow specification	SB7

### Importance ~ 618

The System Interface Adapter (SIA) is a technology associated with Service Brokering that allows for the integration of back office applications with applications using other technologies. The Service Brokering allows for such integration via SIAs. A client application may use one technology to interface with a back-office application say Java/RMI and the back office application can expose an interface using different technology, say CORBA.

A CORBA SIA is particularly important to Sprint due to Sprints current use by back-office applications and it's compliance with industry standard specifications.

### Status ~ 620

Fail

### Reason(s) for Failure ~ 622

POC0005: CrossWorlds CORBA Connector does not support unions and sequences. This impacts both client and server side connectors. Most of the existing interfaces in Sprint use sequences extensively in both in, out, in/out and return values. The use of unions in our idl interfaces is much smaller when you compare it to sequences.

### Workaround(s) if any ~ 624

Need to modify existing interfaces to remove sequences and instead somehow return one datatype (like an XML string). This would require lot of retooling of our backend existing interfaces.

### Level of Effort (LOE) for Workaround ~ 626

N/A